ELSEVIER

Toxicology 145 (2000) 245–246

TOXICOLOGY

www.elsevier.com/locate/toxicol

Contents of volume 145

Review

Carbon monoxide poisoning — a public health perspective
J.A. Raub, M. Mathieu-Nolf, N.B. Hampson, S.R. Thom (USA, France) 1–14
An analysis of a worldwide public health problem

Regular Articles

Effects of nickel sulfate on pulmonary natural immunity in Wistar rats
M. Goutet, M. Ban, S. Binet (France) 15–26
A single intratracheal dose reduces NK cell activity and TNF-α release

Cadmium induces caspase-mediated cell death: suppression by Bcl-2
M.S. Kim, B.J. Kim, H.N. Woo, K.W. Kim, K.B. Kim, I.K. Kim, Y.K. Jung (South Korea) 27–37
Caspases are involved in precipitating apoptosis in cultured cells

A rat nasal epithelial model for predicting upper respiratory tract toxicity: in vivo–in vitro correlations
J.D. Kilgour, S.A. Simpson, D.J. Alexander, C.J. Reed (UK) 39–49
In vitro exposure lowers intracellular potassium and ATP

Astrocyte cultures from transgenic mice to study the role of metallothionein in cytotoxicity of tert-butyl hydroperoxide
Y. Suzuki, M.D. Apostolova, M.G. Cherian (Canada). 51–62
Metallothionein protects against oxidative stress

Induction of apoptosis in Caco-2 cells by wheat gliadin peptides
C. Giovannini, M. Sanchez, E. Straface, B. Scazzocchio, M. Silano, M. De Vincenzi (Italy). 63–71
Induced apoptosis can be reversed by a peptide from wheat gliadin

In vitro evaluation of the sensitization potential of weak contact allergens using langerhans-like dendritic cells and autologous T cells
N. Rougier, G. Redziniak, D. Mougin, D. Schmitt, C. Vincent (France) 73–82
An in vitro model using Langerhans cells and autologous T cells is proposed for the detection of weak contact allergens

The probable involvement of soluble and deposited melanins, their intermediates and the reactive oxygen side-products in human diseases and aging
Z.L. Hegedus (USA) 85–101
TCDD was the most potent congener

The relative abilities of TCDD and its congeners to induce oxidative stress in the hepatic and brain tissues of rats after subchronic exposure
E.A. Hassoun, F. Li, A. Abushaban, S.J. Stohs (USA) 103–113
A comprehensive review

In vivo MRI measurements of tumor growth induced by dichloroacetate: implications for mode of action
J.H. Miller, K. Minard, R.A. Wind, G.A. Orner, L.B. Sasser, R.J. Bull (USA) 115–125
Results indicate that carcinogenic activity of dichloroacetate is not necessarily mediated through genotoxic effects

PCB 118 induces ultrastructural alterations in the rat liver
T.L. Gallant, A. Singh, I. Chu (Canada). 127–134
A quantitative morphometric analysis

The influence of cadmium and zinc ions on the interferon and tumor necrosis factor production in bovine aorta endothelial cells
A. Szuster-Ciesielska, I. Łokaj, M. Kandefer-Szerszeń (Poland). 135–145
Induced cyokine production is influenced differently by both ions

Activation of the *hsp*70 promoter by environmental inorganic and organic chemicals: relationships with cytotoxicity and lipophilicity
S. Aït-Aïssa, J.-M. Porcher, A.-P. Arrigo, C. Lambré (France) 147–157
HSP70 formation as measured by chloarmphenicol acetyl transferase expression could be an indicastor of cell damage in vitro
The inhibitory effect of zinc on cadmium-induced cell apoptosis and reactive oxygen species (ROS) production in cell cultures
A. Szuster-Ciesielska, A. Stachura, M. Słotwińska, T. Kamińska, R. Śnieżko, R. Paduch, D. Abramczyk, J. Filar, M. Kandefer-Szerszeń (Poland) 159–171
In cultured cells zinc reduces apoptosis by two mechanisms
Environmental polycyclic aromatic hydrocarbons affect androgen receptor activation in vitro
A.M. Vinggaard, C. Hnida, J.C. Larsen (Denmark) 173–183
Depending on their structure the hydrocarbons have varying effects
Theophylline-induced changes in the activity of carnitine palmitoyltransferase in rat cardiac tissues
A.S. Alhomida (Saudi Arabia) 185–193
Theophylline increases the activity of the enzyme
Genotoxic effect of lead nitrate on mice using SCGE (comet assay)
K.D. Devi, B.S. Banu, P. Grover, K. Jamil (India) 195–201
Lead increases the tail length in the assay
Lindane differently modulates intracellular calcium levels in two populations of rainbow trout (*Oncorhynchus mykiss*) immune cells: head kidney phagocytes and peripheral blood leucocytes
S. Betoulle, C. Duchiron, P. Deschaux (France) 203–215
Calcium is modulated by lindane in kidney phagocytes but not in PBLs
Immunotoxicity of ethyl-4-isothiocyanatobutanoate in male Wistar rats
J. Tulinska, A. Sovcikova, A. Liskova, J. Kubova, K. Horakova (Slovak Republic) 217–225
No immunotoxic effects were seen
Alterations of thymocyte development, thymic emigrants and peripheral T cell population in rats exposed to 2,3,7,8-tetrachlorodibenzo-*p*-dioxin
K. Nohara, H. Ushio, S.-i. Tsukumo, T. Kobayashi, M. Kijima, C. Tohyama, H. Fujimaki (Japan) 227–235
Low dose exposure to dioxin induces thymic changes
In Memoriam 237

Author index of volume 145 239
Subject index of volume 145 241–244
Contents of volume 145 245–246